



Attorney Docket No. 108298532US1  
Disclosure No. 00-0120.01

PTO/SB/21 (05-03)

Approved for use through 04/30/2003. OMB 0651-00321

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<b>TRANSMITTAL FORM</b>  (to be used for all correspondence after initial filing)		Application Number	10/620,714
		Filing Date	July 15, 2003
		First Named Inventor	David J. Corisis
		Art Unit	2833
		Examiner Name	
Total Number of Pages in This Submission	5*	Attorney Docket Number	108298532US1

ENCLOSURES (Check all that apply)		
<input type="checkbox"/> Fee Transmittal Form <input type="checkbox"/> Fee Attached <input type="checkbox"/> Amendment/Reply <input type="checkbox"/> After Final <input type="checkbox"/> Affidavits/declaration(s) <input type="checkbox"/> Extension of Time Request <input type="checkbox"/> Express Abandonment Request <input checked="" type="checkbox"/> Information Disclosure Statement <input type="checkbox"/> Certified Copy of Priority Document(s) <input type="checkbox"/> Response to Missing Parts/Incomplete Application <input type="checkbox"/> Response to Missing Parts under 37 CFR 1.52 or 1.53	<input type="checkbox"/> Drawing(s) <input type="checkbox"/> Licensing-related Papers <input type="checkbox"/> Petition <input type="checkbox"/> Petition to Convert to a Provisional Application <input type="checkbox"/> Power of Attorney, Revocation Change of Correspondence Address <input type="checkbox"/> Terminal Disclaimer <input type="checkbox"/> Request for Refund <input type="checkbox"/> CD, Number of CD(s)	<input type="checkbox"/> After Allowance communication to Group <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences <input type="checkbox"/> Appeal Communication to Group (Appeal Notice, Brief, Reply Brief) <input type="checkbox"/> Proprietary Information <input type="checkbox"/> Status Letter <input checked="" type="checkbox"/> Other Enclosures Cited References (2): Return Receipt Postcard
Remarks		

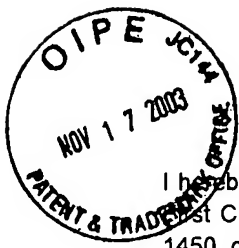
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Date	November 12, 2003

CERTIFICATE OF TRANSMISSION/MAILING			
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Signature		Date	November 12, 2003

This collection of information is required by 37 CFR 1.5. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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Date: November 12, 2003

By: Stephen P. Whelan  
Stephen P. Whelan

**PATENT**

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

IN RE APPLICATION OF: DAVID J. CORISIS  
APPLICATION No.: 10/620,714  
FILED: JULY 15, 2003  
FOR: **STACKED MICROELECTRONIC DIES  
AND METHODS FOR STACKING  
MICROELECTRONIC DIES**

EXAMINER: (TO BE ASSIGNED)  
ART UNIT: 2833  
CONF. No: 9586

**Information Disclosure Statement Within Three Months of  
Application Filing or Before First Action – 37 C.F.R. § 1.97(b)**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

1. Timing of Submission

This information disclosure is being filed within three months of the filing date of this application or date of entry into the national stage of an international application or before the mailing date of a first Office action on the merits, whichever occurs last [37 C.F.R. § 1.97(b)]. The references listed on the enclosed Form PTO-1449 (modified) may be material to the examination of this application; the Examiner is requested to make them of record in the application.

2. Cited Information

- ☒ Copies of the following references are enclosed:
- ☐ All cited references
  - ☒ References marked by two asterisks (\*\*)
- ☒ Copies of the following references can be found in parent U.S. Application No. 09/644,766:
- ☐ All cited references
  - ☒ References not marked by two asterisks

3. Effect of Information Disclosure Statement (37 C.F.R. § 1.97(h))

This Information Disclosure Statement is not to be construed as a representation that: (i) a search has been made; (ii) additional information material to the examination of this application does not exist; (iii) the information, protocols, results and the like reported by third parties are accurate or enabling; or (iv) the cited information is, or is considered to be, material to patentability. In addition, applicant does not admit that any enclosed item of information constitutes prior art to the subject invention and specifically reserves the right to demonstrate that any such reference is not prior art.

4. Fee Payment

No fees are believed due because this Information Disclosure Statement is being filed before the mailing date of the first Office Action.

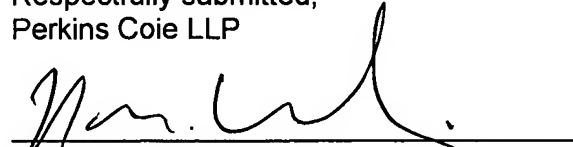
☐ Applicant further submits that no fee is due in light of the following certification under 37 C.F.R. § 1.97(e) (check only one):

☐ In accordance with 37 C.F.R. § 1.97(e)(1), the undersigned hereby states that each item of information submitted herewith was cited in a communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this statement; or

☐ In accordance with 37 C.F.R. § 1.97(e)(2), the undersigned hereby states that no item of information submitted herewith was cited in a communication from a foreign patent office in a counterpart foreign application, or, to the knowledge of the person signing the certification after making reasonable inquiry, was known to any individual designated in 37 C.F.R. § 1.56(c), more than three months prior to the filing of this statement.

However, should the Commissioner determine that fees are due in order for this Information Disclosure Statement to be considered, the Commissioner is hereby authorized to charge such fees to Deposit Account No. 50-0665.

Respectfully submitted,  
Perkins Coie LLP

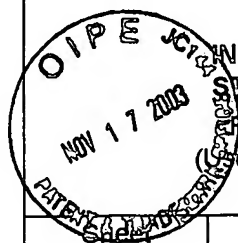


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**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**  
Form PTO-1449 (Modified)  
(Use several sheets if necessary)

**COMPLETE IF KNOWN**

Application Number	10/620,714
Confirmation Number	9586
Filing Date	July 15, 2003
First Named Inventor	David J. Corisis
Group Art Unit	2833
Examiner Name	
Attorney Docket No.	108298532US1

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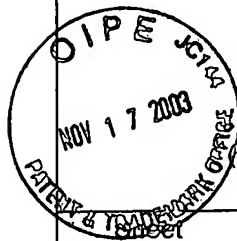
**U.S. PATENT DOCUMENTS**

Examiner Initials*	Cite No.	U.S. Patent or Application		Name of Patentee or Inventor of Cited Document	Date of Publication or Filing Date of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		NUMBER	Kind Code (if known)			
		U.S. Application No. 09/634,056 (Attorney Docket No. 108298503US)		Jiang et al.	Filed 08/09/2000	
		5,128,831		Fox, III et al.	07/07/1992	
		5,222,014		Lin	06/22/1993	
		5,252,857		Kane et al.	10/12/1993	
		5,323,060		Fogal et al.	06/21/1994	
		5,776,797		Nicewarner, Jr. et al.	07/07/1998	
		5,793,101		Kuhn	08/11/1998	
		5,883,426		Tokuno et al.	03/16/1999	
		5,946,553		Wood et al.	08/31/1999	
		5,986,209		Tandy	11/16/1999	
		5,990,566		Farnworth et al.	11/23/1999	
		6,020,624		Wood et al.	02/01/2000	
		6,020,629		Farnworth et al.	02/01/2000	
		6,028,365		Akram et al.	02/22/2000	
		6,051,878		Akram et al.	04/18/2000	
		6,072,233		Corisis et al.	06/06/2000	
		6,072,236		Akram et al.	06/06/2000	
		6,100,594		Fukui et al.	08/08/2000	
		6,121,676		Solberg	09/19/2000	
		6,153,924		Kinsman	11/28/2000	
		6,154,366		Ma et al.	11/28/2000	
		6,160,718		Vakilian	12/12/2000	
		6,175,149	B1	Akram	01/16/2001	
		6,212,767	B1	Tandy	04/10/2001	
		6,222,265	B1	Akram et al.	04/24/2001	
		6,225,689	B1	Moden et al.	05/01/2001	
		6,228,548	B1	King et al.	05/08/2001	

EXAMINER

DATE CONSIDERED

\*EXAMINER: Initial if reference considered, whether or not criteria is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to application(s).

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**Form PTO-1449 (Modified)  
(Use several sheets if necessary)**COMPLETE IF KNOWN**

Application Number	10/620,714
Confirmation Number	9586
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of

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**U.S. PATENT DOCUMENTS**

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		NUMBER	Kind Code (if known)			
		6,235,554	B1	Akram et al.	05/22/2001	
		6,258,623	B1	Moden et al.	07/10/2001	
		6,261,865	B1	Akram	07/17/2001	
		6,262,895	B1	Forthun	07/17/2001	
		6,281,577	B1	Oppermann et al.	08/28/2001	
		6,294,839	B1	Mess et al.	09/25/2001	
		6,297,547	B1	Akram	10/02/2001	
		6,303,981	B1	Moden	10/16/2001	
	**	6,552,910	B1	Moon et al.	04/22/2003	
	**	6,560,117	B2	Moon	05/06/2003	

**OTHER PRIOR ART-NON PATENT LITERATURE DOCUMENTS**

Examiner Initials*	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume issue number(s), publisher, city and/or country where published.	T
		"3-D IC Packaging." Semiconductor International, May 1998. < <a href="http://www.semiconductor.net/semiconductor/archive/May98/docs/ind_news2.html">http://www.semiconductor.net/semiconductor/archive/May98/docs/ind_news2.html</a> >.	
		PLÖBL, A. and KRÄUTER, G., "Wafer direct bonding: tailoring adhesion between brittle materials," Materials Science and Engineering Reports: A Review Journal, Volume R25, Nos. 1-2, pp. 1-88, March 10, 1999, ISSN 0927-796X.	

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DATE CONSIDERED

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